

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-34. (Canceled)

35. (Currently Amended) A recombinant DNA comprising a polynucleotide of claim 47, which is connected to a regulation sequence that will express the polynucleotide in a sense direction.

36-38. (Canceled)

39. (Previously Presented) A method for producing 2-hydroxyisoflavanone synthase comprising culturing a host cell that contains a recombinant DNA according to claim 35.

40-46. (Canceled)

47. (Currently Amended) An isolated polynucleotide having at least one of (a) a nucleic acid sequence that codes for the protein of SEQ ID NO:2, or for a variant of said protein that catalyzes the synthesis of 2-hydroxyisoflavanone from flavanone in leguminous plants, or (b) the nucleotide sequence complementary to said nucleic acid sequence, wherein said variant differs from SEQ ID NO:2 in that 1 to 20 amino acids have been substituted.

48. (Canceled)

49. (Previously Presented) The isolated polynucleotide of claim 47, having at least one of (a) the sequence of nucleotides 144-1712 of SEQ ID NO:1, or (b) the nucleotide sequence complementary thereto.

50. (Previously Presented) An isolated polynucleotide having at least one of (a) the sequence of SEQ ID NO:1, or (b) the nucleotide sequence complementary thereto.

51. (Canceled)

52. (Currently Amended) The isolated polynucleotide of ~~claim 48~~claim 47, which codes for SEQ ID NO:2.

53. (Previously Presented) The polynucleotide of claim 49, having the sequence of nucleotides 144-1712 of SEQ ID NO:1.

54. (Previously Presented) The polynucleotide of claim 50, having the sequence of SEQ ID NO:1.

55-59. (Canceled)

60. (Currently Amended) An isolated polynucleotide comprising at least one of (a) a nucleic acid sequence encoding 2-hydroxyisoflavanone synthase, said nucleic acid sequence having ~~at least 95% homology to~~ nucleotides 144-1712 of SEQ ID NO:1, or (b) the complement of said nucleic acid sequence.

61-63. (Canceled)

64. (Previously Presented) The polynucleotide of claim 60, said nucleic acid sequence having nucleotides 144-1712 of SEQ ID NO:1.

65. (Currently Amended) A recombinant DNA comprising a polynucleotide of claim 60, which is connected to a regulation sequence that will express the polynucleotide ~~in a sense direction~~.

66. (Previously Presented) A method for producing 2-hydroxyisoflavanone synthase comprising culturing a host cell that contains a recombinant DNA according to claim 65.

67. (Currently Amended) A recombinant DNA comprising a polynucleotide of claim 50, which is connected to a regulation sequence that will express the polynucleotide ~~in a sense direction~~.

68. (Previously Presented) A method for producing 2-hydroxyisoflavanone synthase comprising culturing a host cell that contains a recombinant DNA according to claim 67.

69-79. (Canceled)